

Multiplying Factors (I)

Find the product of each pair of factors.

1. $(-x + 6)(-x + 9)$

11. $(-x + 8)(x - 7)$

2. $(-x - 7)(x + 2)$

12. $(x - 9)(-x + 7)$

3. $(-x - 3)(-x - 3)$

13. $(x - 6)(x + 9)$

4. $(-x + 1)(-x + 7)$

14. $(x + 9)(-x + 5)$

5. $(-x + 1)(x + 4)$

15. $(x + 2)(x - 1)$

6. $(x - 1)(x + 9)$

16. $(-x - 3)(x + 5)$

7. $(-x - 9)(x - 8)$

17. $(x - 9)(x - 3)$

8. $(-x + 3)(x + 5)$

18. $(-x - 7)(-x - 6)$

9. $(x + 7)(-x - 2)$

19. $(x - 8)(-x + 6)$

10. $(x + 2)(x - 2)$

20. $(x - 1)(x + 1)$

Multiplying Factors (I) Answers

Find the product of each pair of factors.

1. $(-x + 6)(-x + 9)$
 $x^2 - 15x + 54$

2. $(-x - 7)(x + 2)$
 $-x^2 - 9x - 14$

3. $(-x - 3)(-x - 3)$
 $x^2 + 6x + 9$

4. $(-x + 1)(-x + 7)$
 $x^2 - 8x + 7$

5. $(-x + 1)(x + 4)$
 $-x^2 - 3x + 4$

6. $(x - 1)(x + 9)$
 $x^2 + 8x - 9$

7. $(-x - 9)(x - 8)$
 $-x^2 - x + 72$

8. $(-x + 3)(x + 5)$
 $-x^2 - 2x + 15$

9. $(x + 7)(-x - 2)$
 $-x^2 - 9x - 14$

10. $(x + 2)(x - 2)$
 $x^2 - 4$

11. $(-x + 8)(x - 7)$
 $-x^2 + 15x - 56$

12. $(x - 9)(-x + 7)$
 $-x^2 + 16x - 63$

13. $(x - 6)(x + 9)$
 $x^2 + 3x - 54$

14. $(x + 9)(-x + 5)$
 $-x^2 - 4x + 45$

15. $(x + 2)(x - 1)$
 $x^2 + x - 2$

16. $(-x - 3)(x + 5)$
 $-x^2 - 8x - 15$

17. $(x - 9)(x - 3)$
 $x^2 - 12x + 27$

18. $(-x - 7)(-x - 6)$
 $x^2 + 13x + 42$

19. $(x - 8)(-x + 6)$
 $-x^2 + 14x - 48$

20. $(x - 1)(x + 1)$
 $x^2 - 1$